

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lawrence A. Maxham (Registration No. 24,483) on 05/04/2009 at 3:50 PM EST.

The application has been amended as shown in the "Listing of Claims" below and is summarized as follows:

Begin Amendment:

Listing of the claims:

13. (Currently Amended) A method to control the delivery of messages in a telecommunications network using service feature data that are assigned to a subscriber account and a terminal or the identification chip connected to it, the method comprising:

transmitting these assigned service feature data, entirely or in part, approximately synchronously to multiple terminals assigned to this subscriber or identification chips connected thereto;

in a database, assigning a common paging number to a multiple group of terminals of the subscriber;

the database is set up in a central SS7 routing function, paging control system, and/or in a swapped routing function, signaling element;

via a central administration function, assigning the service feature data to at least one

subscriber profile that can be changed by the subscriber at a said terminal assigned to this subscriber;

changing the profile synchronously on the service features of other terminals or identification chips connected thereto assigned to this subscriber that are stored in the network when a page is received at any one of the plurality of terminals; and

activating the telecommunications network service features associated with a terminal assigned to this subscriber or with the identification chip connected to said terminal remotely by said terminal and conventional functions so that when the profile of the terminal assigned to this subscriber is queried during the paging step this profile is applied in selecting the active paging terminal when paging is being done to at least one of the connected terminals.

14. (Previously Presented) The method according to claim 13, wherein at least one network function/application is assigned to each terminal of the subscriber.

15. (Previously Presented) The method according to claim 13, wherein if a query is started by a paging/short message center to deliver a message under the common number for all of the subscriber's terminals, the central SS7 routing function or the swapped routing function of the network translates the common number to the paging number that is assigned to the target terminal and/or the network function/application in real time dynamically, wherein the paging number can be different for different network functions/applications.

16. (Previously Presented) The method according to claim 14, wherein if a query is started by a paging/short message center to deliver a message under the common number for all of the subscriber's terminals, the central SS7 routing function or the swapped routing function of the network translates the common number to the paging number that is assigned to the target terminal and/or the network function/application in real time dynamically, wherein the paging number can be different for different network functions/applications.

17. (Previously Presented) The method according to claim 13, and further comprising:

determining the subscriber's contact information and the subscriber profile in a mobility/profile database when a message arrives;
translating the number sought from the common number to a terminal-specific paging number in the central SS7 routing function; and
sending the message out to the corresponding paging number.

18. (Previously Presented) The method according to claim 14, and further comprising:
determining the subscriber's contact information and the subscriber profile in a mobility/profile database when a message arrives;
translating the number sought from the common number to a terminal-specific paging number in the central SS7 routing function; and
sending the message out to the corresponding paging number.

19. (Previously Presented) The method according to claim 15, and further comprising:
determining the subscriber's contact information and the subscriber profile in a mobility/profile database when a message arrives;
translating the number sought from the common number to a terminal-specific paging number in the central SS7 routing function; and
sending the message out to the corresponding paging number.

20. (Previously Presented) The method according to claim 19, and further comprising:
determining, when a message arrives, the subscriber's contact information and the subscriber profile in the mobility/profile database;
forwarding the query from the mobility/profile database to the signaling element with the aid of an operation code or a routing database;
determining that the number sought is translated in the signaling element from the common number to one paging number per application accordingly using the address of a transmitting network element and swapped databases; and
determining that the message is sent out to the corresponding paging number.

21. (Previously Presented) The method according to claim 13, and further comprising making a delivery status entry in a mobility/profile database in connection with the paging number.

22. (Previously Presented) The method according to claim 14, and further comprising making a delivery status entry in a mobility/profile database in connection with the paging number.

23. (Previously Presented) The method according to claim 15, and further comprising making a delivery status entry in a mobility/profile database in connection with the paging number.

24. (Previously Presented) The method according to claim 17, and further comprising making a delivery status entry in the mobility/profile database in connection with the paging number.

25. (Previously Presented) The method according to claim 20, and further comprising making a delivery status entry in the mobility/profile database in connection with the paging number.

26. (Previously Presented) The method according to claim 13, wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases.

27. (Previously Presented) The method according to claim 14, wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases.

28. (Previously Presented) The method according to claim 15, wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases.

29. (Previously Presented) The method according to claim 17, wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases.

30. (Previously Presented) The method according to claim 20, wherein the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases.

31. (Previously Presented) The method according to claim 13, and further comprising setting up whitelisting databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network.

32. (Previously Presented) The method according to claim 14, and further comprising setting up whitelisting databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network.

33. (Previously Presented) The method according to claim 15, and further comprising setting up whitelisting databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network.

34. (Previously Presented) The method according to claim 17, and further comprising setting up whitelisting databases for one-time activation/deactivation of the method by writing

call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network.

35. (Previously Presented) The method according to claim 20, and further comprising setting up whitelisting databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network.

36. (Previously Presented) The method according to claim 21, and further comprising setting up whitelisting databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network.

37. (Previously Presented) The method according to claim 26, and further comprising setting up whitelisting databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network.

38. (Previously Presented) The method according to claim 13, and further comprising:
executing, each time a query is made at the central 8S7 routing function, a whitelisting function using a whitelisting database; and
performing a check to see whether any translation of the common number to the paging number can occur.

39. (Previously Presented) The method according to claim 15, and further comprising:
executing, each time a query is made at the central SS7 routing function, a whitelisting function using a whitelisting database; and
performing a check to see whether any translation of the common number to the paging number can occur.

40. (Previously Presented) The method according to claim 13, and further comprising: executing, each time a query is made at the signaling element, a whitelisting function using a whitelisting database; and

performing a check to see whether any translation of the common number to the paging number can occur.

41. (Previously Presented) The method according to claim 15, and further comprising: executing, each time a query is made at the signaling element, a whitelisting function using a whitelisting database; and

performing a check to see whether any translation of the common number to the paging number can occur.

42. (Previously Presented) The method according to claim 13, wherein changes to the paging terminal determined by the subscriber result in signaling of a simulated successful delivery such that all outstanding, waiting paging messages are forced to the new paging terminal as fast as possible and such that the paging step is repeated approximately synchronously for outstanding messages.

43. (Previously Presented) The method according to claim 15, wherein changes to the paging terminal determined by the subscriber result in signaling of a simulated successful delivery such that all outstanding, waiting paging messages are forced to the new paging terminal as fast as possible and such that the paging step is repeated approximately synchronously for outstanding messages.

44. (Currently Amended) An arrangement of system components of a telecommunication network to carry out a method to control the delivery of messages in a telecommunications network using service feature data that are assigned to a subscriber account and a terminal or the identification chip connected to it, the arrangement comprising:

means for transmitting these assigned service feature data, entirely or in part, approximately synchronously to multiple terminals assigned to this subscriber or identification

chips connected thereto;

means for assigning a common paging number to multiple terminals of the subscriber in a database, wherein the database is set up in a central SS7 routing function, paging control system, and/or in a swapped routing function, signaling element;

means for assigning the service feature data to at least one subscriber profile that can be changed by the subscriber at a said terminal assigned to this subscriber via a central administration function;

wherein the means for assigning is configured to change synchronously the service features of other terminals or identification chips connected thereto assigned to this subscriber that are stored in the network;

means for enabling the subscriber to activate the telecommunications network service features associated with a terminal assigned to this subscriber or with the identification chip connected to said terminal by using said terminal and conventional functions so that when the profile of the terminal assigned to this subscriber is queried during the paging step ~~and~~ this profile is applied in selecting the active paging terminal when paging is being done to one or more of the connected terminals;

databases and data processing units are configured to distribute service feature data assigned to individual subscribers is made possible; and a routing function, swapped from the telecommunications network, in the form of a signaling element, the signaling element being connected to a central routing function, and databases being located in the signaling element and/or the central routing function.

45. (Previously Presented) The arrangement according to claim 44, wherein if a query is started by a paging/short message center to deliver a message under the common number for all of the subscriber's terminals, the central SS7 routing function or the swapped routing function of the network translates the common number to the paging number that is assigned to the target terminal and/or the network function/application in real time dynamically, wherein the paging number can be different for different network functions/applications

Allowable Subject Matter

2. Claims 13-45 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art made of record and relied upon by the examiner in the prosecution of this Application, fails or even suggest "changing the profile synchronously on the service features of other terminals or identification chips connected thereto assigned to this subscriber that are stored in the network when a page is received at any one of the plurality of terminals; and activating the telecommunications network service features associated with a terminal assigned to this subscriber or with the identification chip connected to said terminal remotely by said terminal and conventional functions so that when the profile of the terminal assigned to this subscriber is queried during the paging step this profile is applied in selecting the active paging terminal when paging is being done to at least one of the connected terminals", as recited in independent claims 13 and 45.

3. Dependent claims 14-43 and 45 respectively depend on allowed claims 13 and 44, and for the mere dependence on those allowed claims, claims 14-43 and 45 are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

1. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Amanuel Lebassi, whose telephone number is (571) 270-5303. The Examiner can normally be reached on Monday-Thursday from 8:00am to 5:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Nick Corsaro can be reached at (571) 272-7876. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Amanuel Lebassi
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05/04/2011

/NICK CORSARO/
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